

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s) : Rothenberger  
Serial No. : Please assign  
Filed : herewith  
For : SPRING SHAFT FOR PIPE CLEANING APPARATUS

June 22, 2001

Commissioner of Patents  
and Trademarks  
Washington, D.C. 20231

Sir:

PRELIMINARY AMENDMENT

Prior to prosecution, please amend the above-identified patent application as follows:

IN THE CLAIMS

Please cancel claims 1-10 without prejudice and substitute the following claims:

11. Apparatus for the cleaning of interior pipe walls by means of a coil spring forming a spring shaft with windings of spring steel and with a rotation axis and a coiled winding axis the windings having at least on their exterior a cross section different from the circular shape, characterized in that at least the exterior of the windings is profiled such that the spring shaft itself acts with at least one edge scrapingly on contamination of the pipe walls.

12. Apparatus according to claim 11, wherein the exterior is provided with at least one longitudinal groove following the windings.

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